

# GIS and Online Resources for Flooding

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Fording Flood Waters – Congressman Mike Gallagher

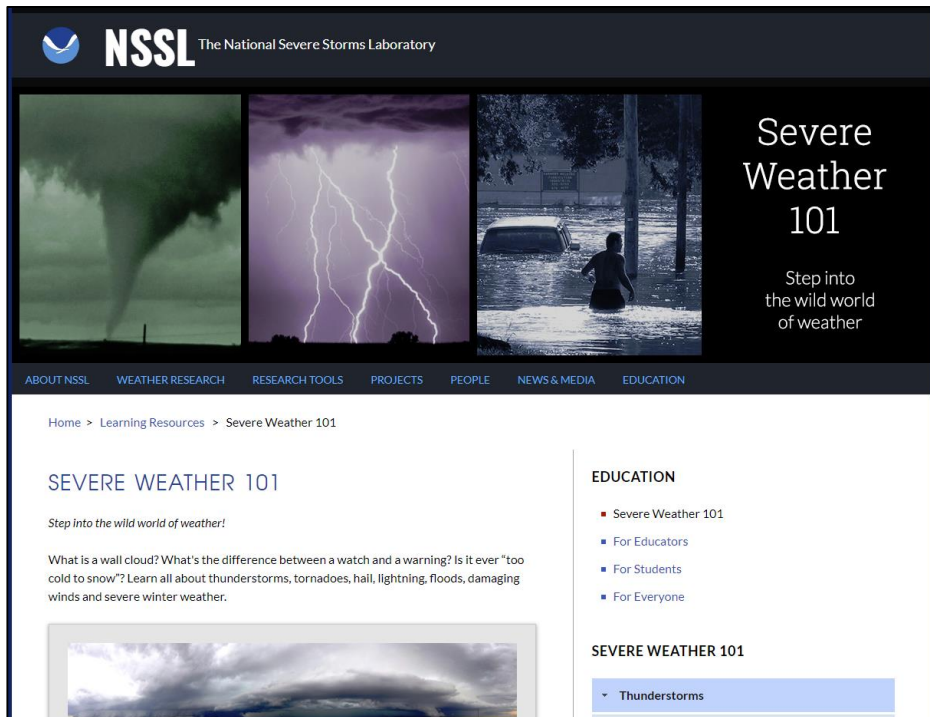
Northeast Wisconsin Technical College

Green Bay, Wisconsin

July 30, 2019

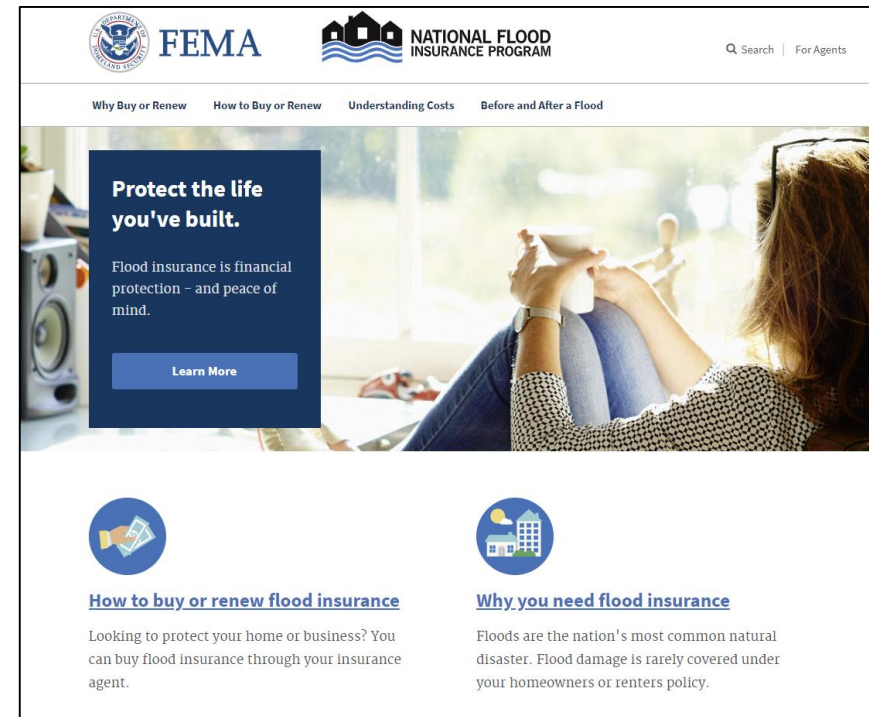
# Preparedness - Understanding Flooding

## Severe Weather 101



<https://www.nssl.noaa.gov/education/svrwx101/>

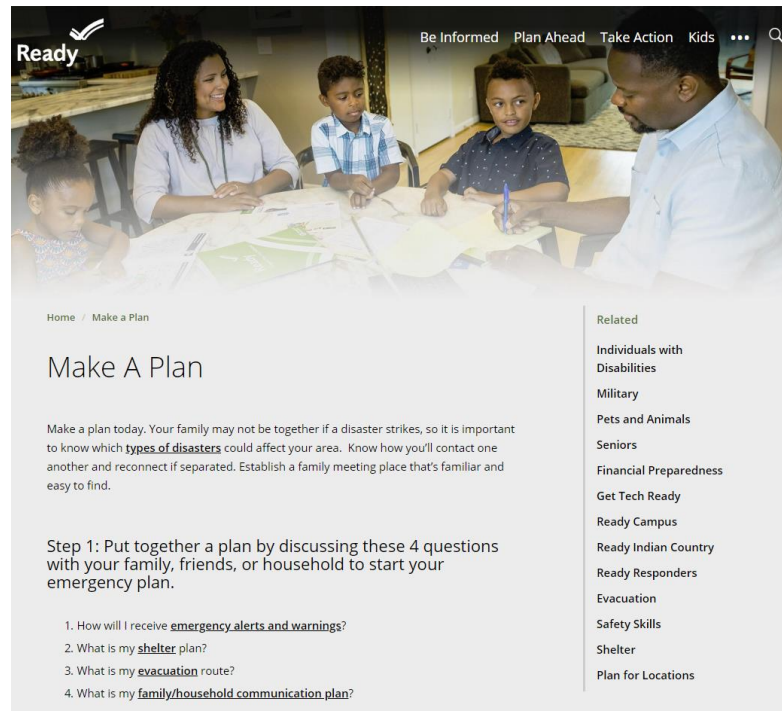
## Floodsmart.gov



<https://www.floodsmart.gov/>

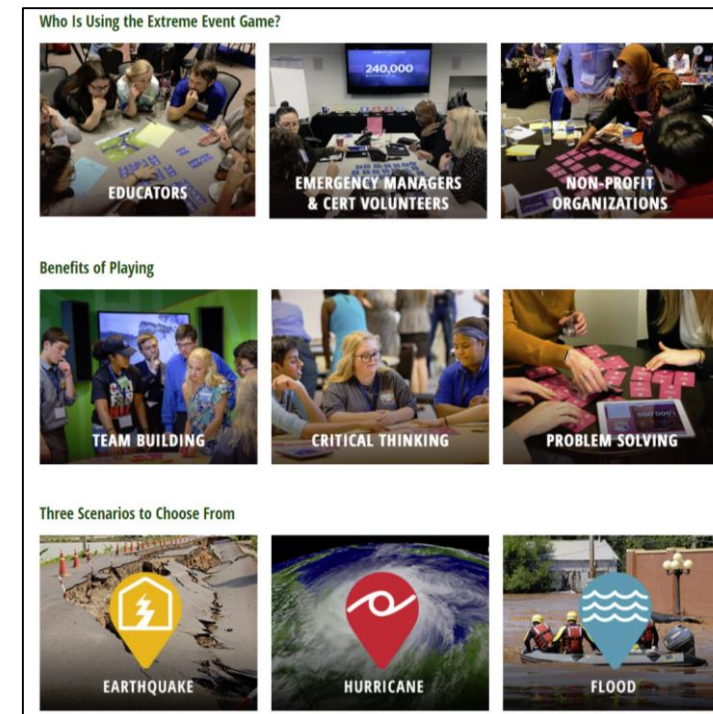
# Preparedness – Plans and Practice

## Make a Plan (ready.gov)



<https://www.ready.gov/make-a-plan>

## Extreme Event Game - LabX

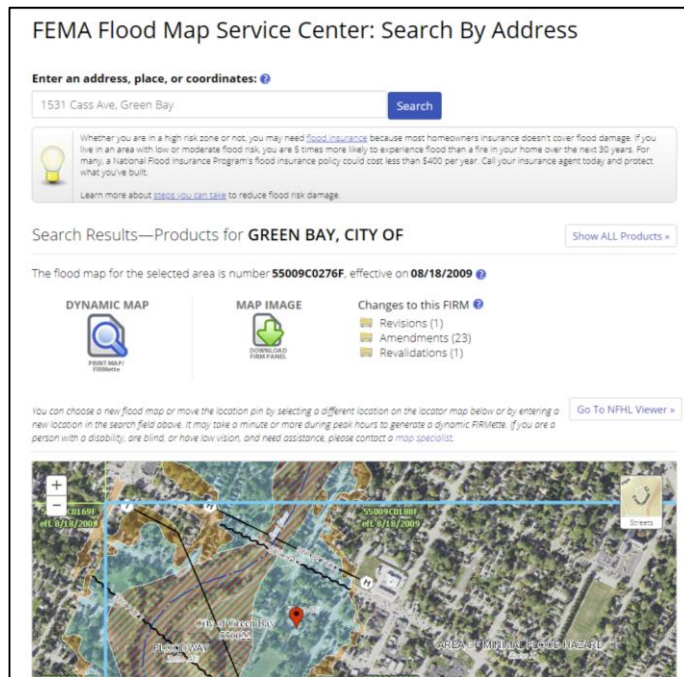


<https://labx.org/extreme-event/>



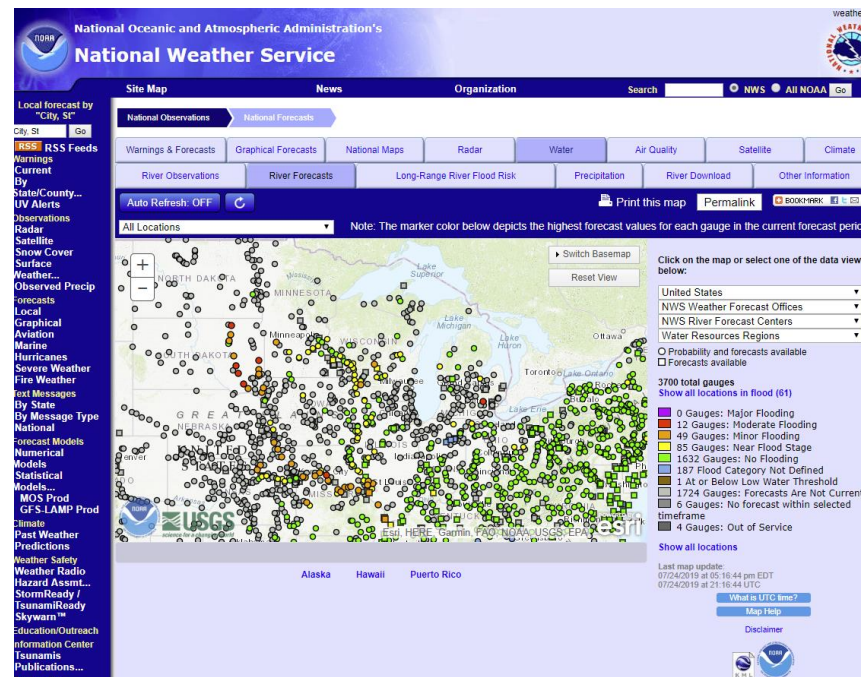
# Assess Vulnerability - Floodplains

## Search by Address



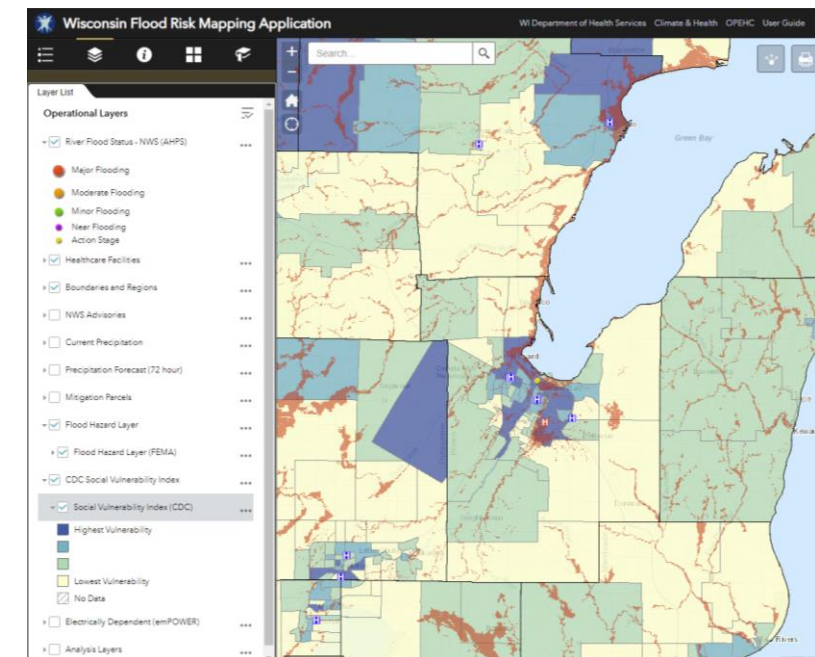
<https://msc.fema.gov/portal/search>

## River Forecasts - NWS



<https://water.weather.gov/ahps/forecasts.php>

## WI Flood Risk Map



<https://dhsgis.wi.gov/dhs/wfrma/>

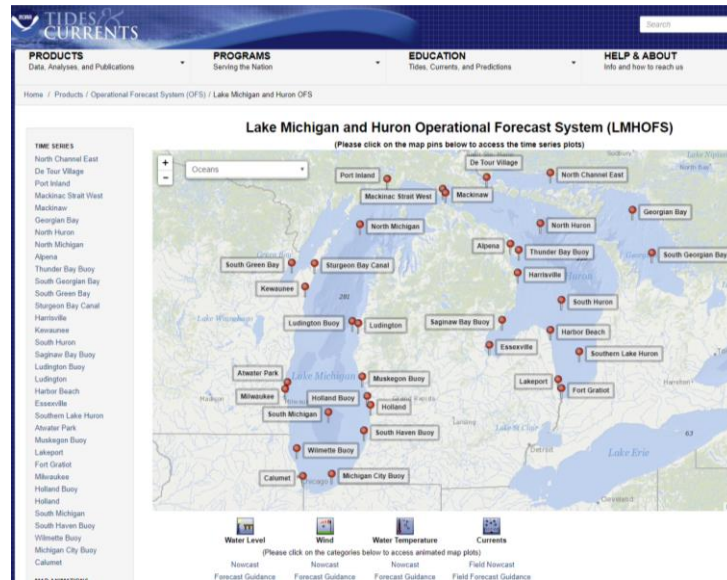
# Assess Vulnerability – Coastal Flooding

## Great Lakes Water Level Dashboard



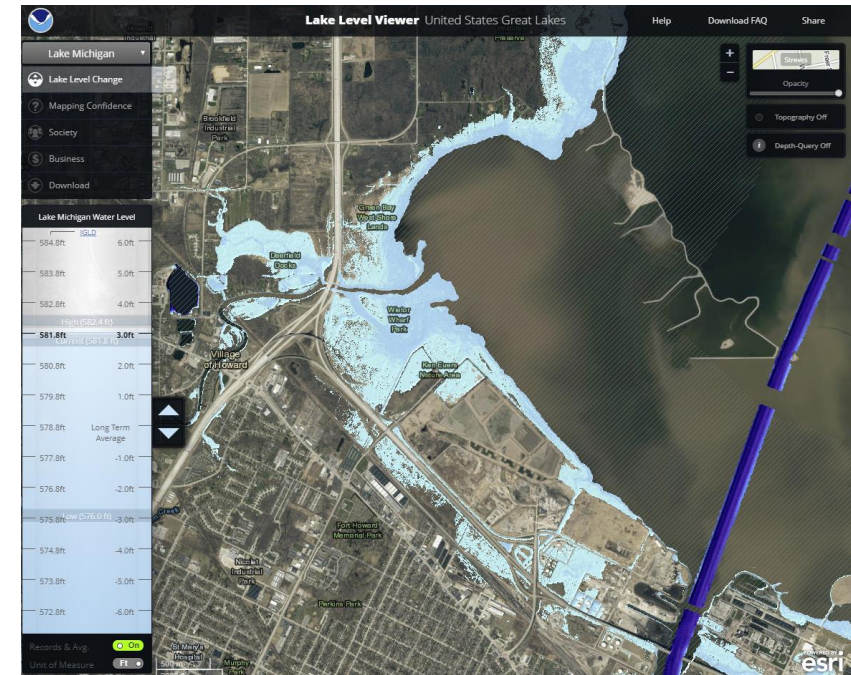
<https://www.glerl.noaa.gov/data/dashboard/GLWLD.html>

## LM/LH Operational Forecast System



<https://tidesandcurrents.noaa.gov/ofs/lmhofs/lmhofs.html>

## Lake Level Viewer



<https://coast.noaa.gov/llv/>



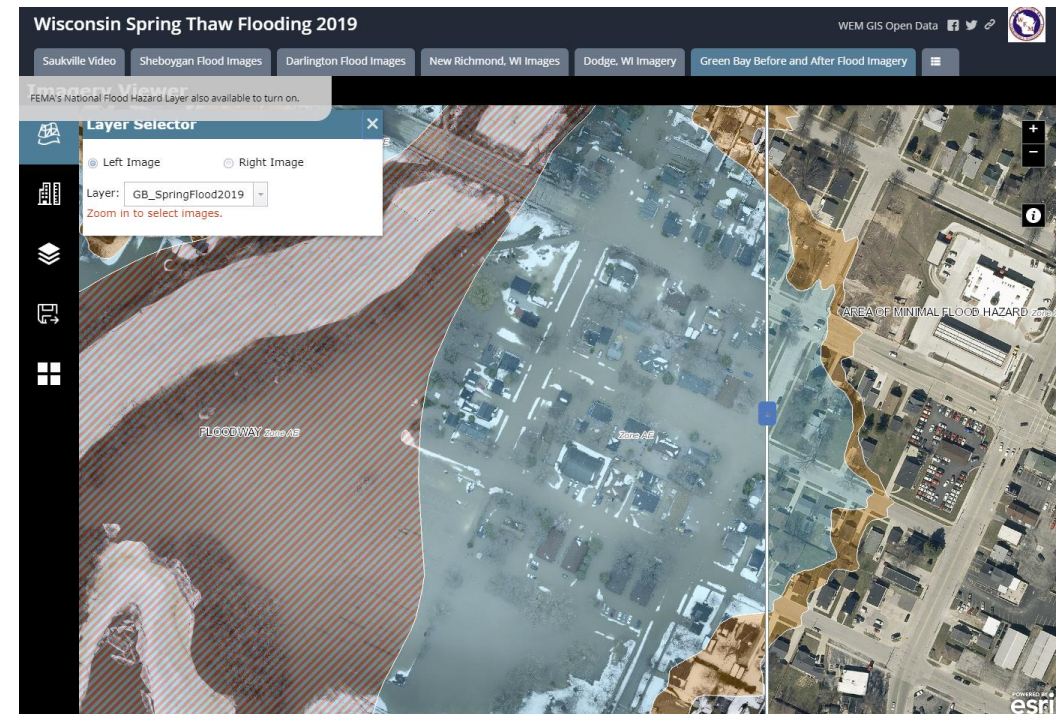
# Response and Recovery

## Flood Toolkit - WDHS



<https://www.dhs.wisconsin.gov/climate/flood.htm>

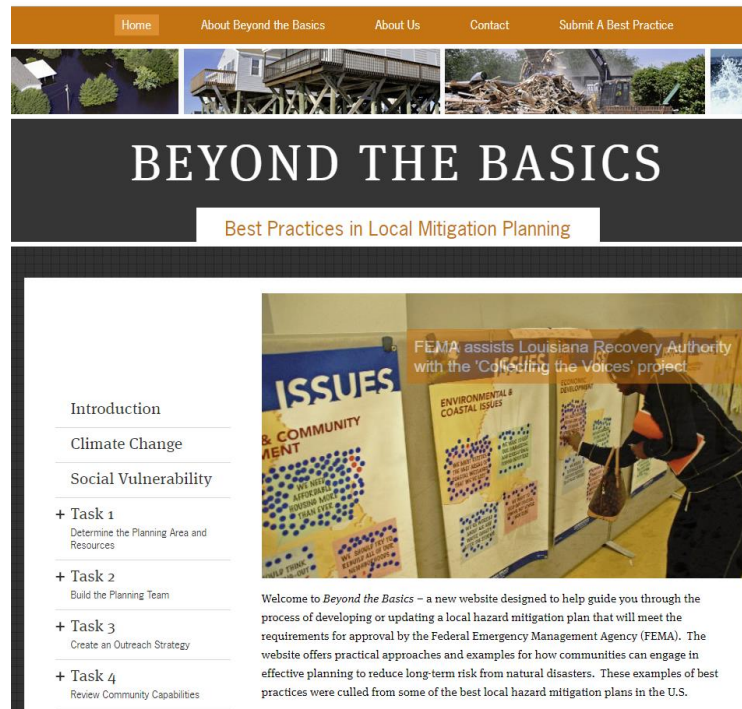
## Open Data Portal - WEM



<http://data-wem.opendata.arcgis.com/>

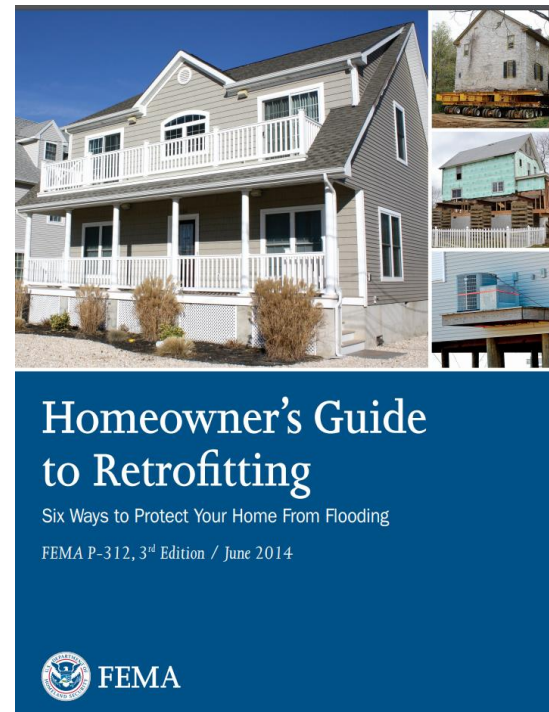
# Mitigation

## Beyond the Basics



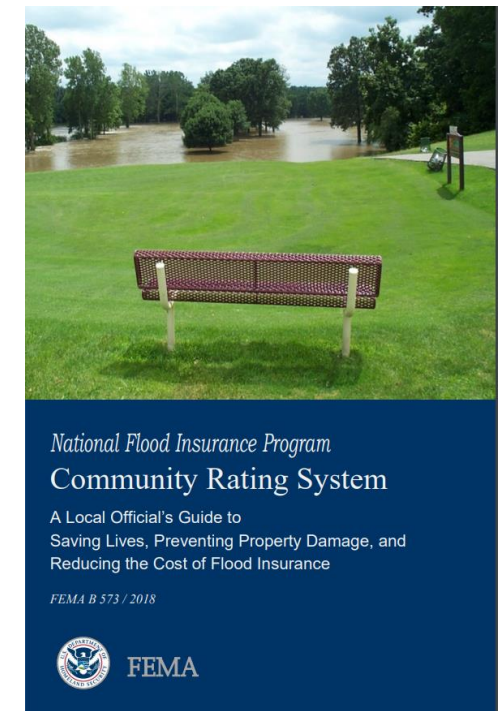
<http://mitigationguide.org/>

## FEMA Homeowner's Guide to Retrofitting



<https://www.fema.gov/homeowners-guide-retrofitting>

## FEMA Community Rating System

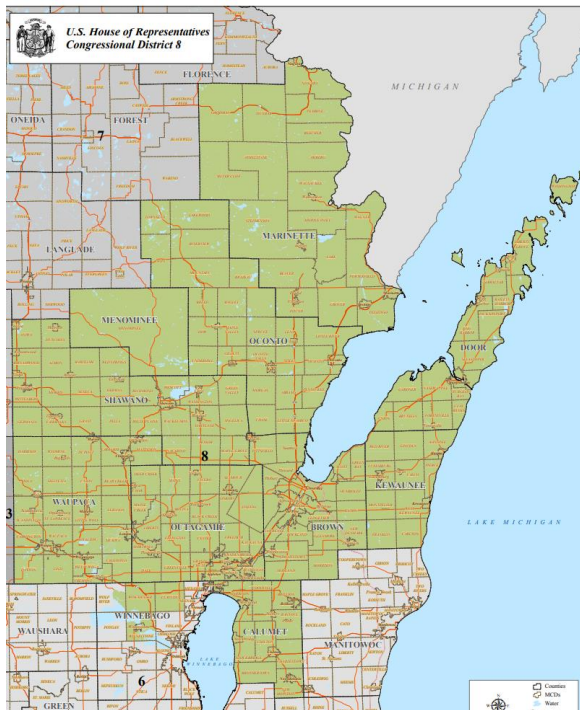


<https://www.floodsciencecenter.org/products/crs-community-resilience/>



# Local Land Information Resources

## LIOs in District 8



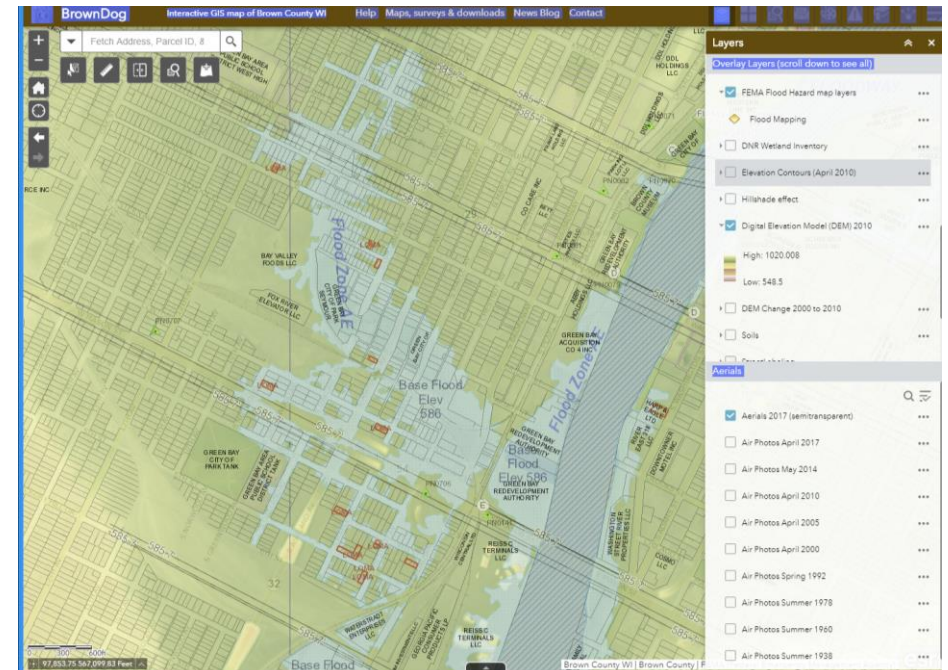
<https://doa.wi.gov/DIR/CountyContacts.pdf>

## Brown County LIO



<https://www.co.brown.wi.us/departments/?department=85713eda4cdc&subdepartment=89ce08984445>

## Brown Dog GIS

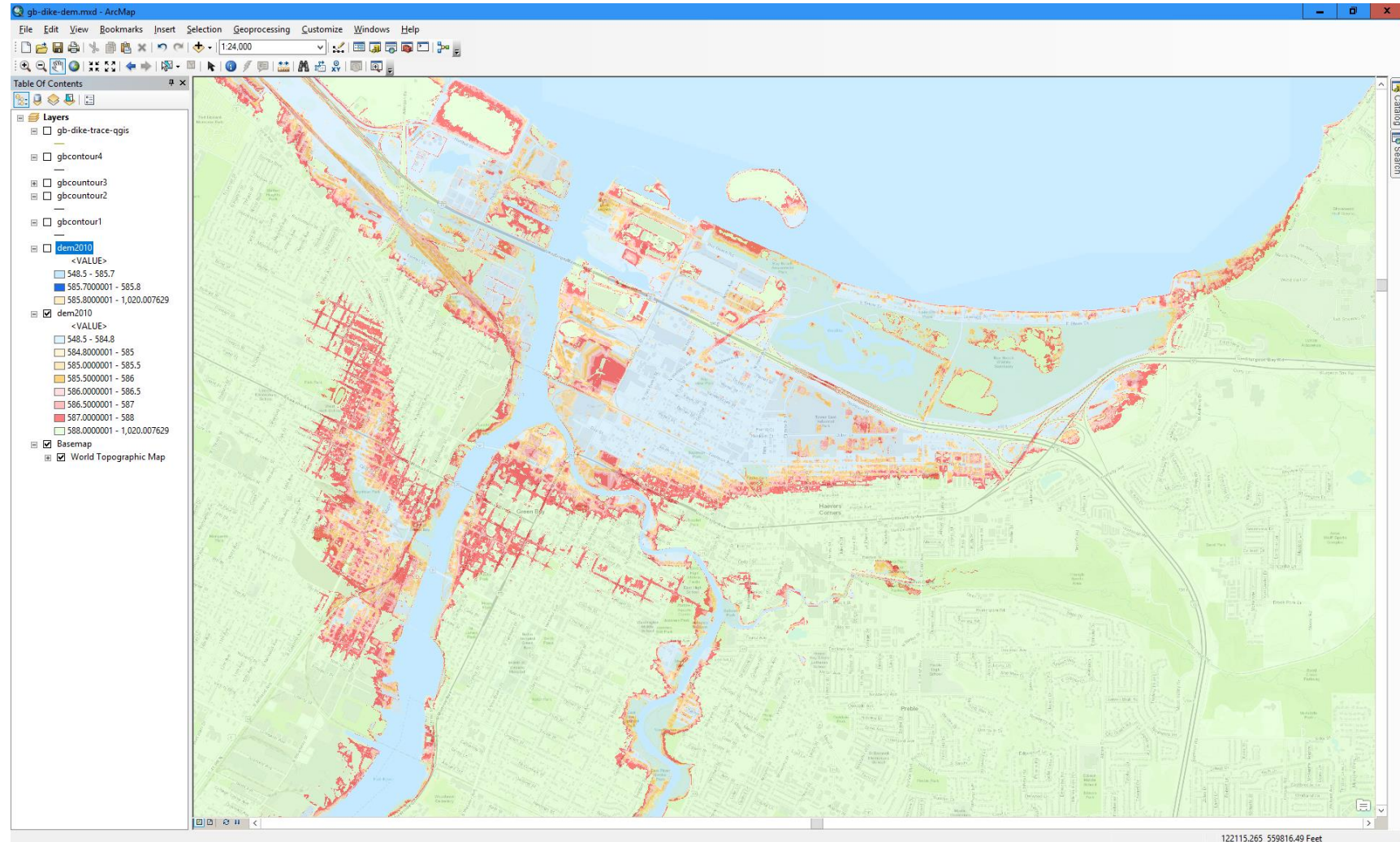


<https://browncounty.maps.arcgis.com/apps/webappviewer/index.html?id=61fba3fd419045e48aa6ba759838387c>



# Importance of Elevation Data from LiDAR

- High resolution elevation data is important for many purposes, including floodplain management.
- Laser measurements from aircraft known as “Light Detecting and Ranging” or LiDAR is the preferred data collection method for elevation mapping.
- Brown County last collected LiDAR data in 2010.
- Current and higher resolution LiDAR data would benefit Brown County residents in many ways.



# Contacts

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Handout, presentation and more  
<https://uwmadison.box.com/v/newi-flooding>

Wisconsin Coastal Atlas (<http://wicoastalatlus.net/>)  
-Watch for new website and explore the flooding topic